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ABSTRACT OF THE DISCLOSURE

10 A transmission apparatus includes a reception line  
selecting unit, a communication confirming frame  
transmitting unit, a communication confirming table, and  
a reception line deciding unit. The reception line  
selecting unit selects one of several reception lines  
each formed by the synchronous network. The frame  
15 transmitting unit transmits a communication confirming  
frame to the synchronous network at least at a  
predetermined period. The communication confirming table  
stores each reception time of the communication  
confirming frame received through the synchronous  
20 network. The deciding unit decides occurrence of failure  
on the reception line corresponding to the reception time  
when a difference between a reception time stored in the  
table and a present time at the predetermined period  
exceeds a predetermined value, and transmits instructions  
25 for switching the reception line to the reception line  
selecting unit.

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